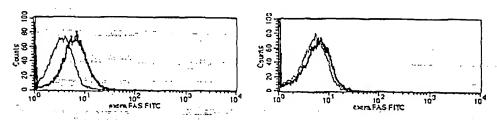


FIGURE 1A

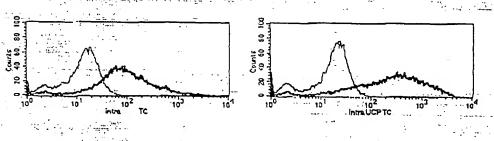
L1 21 0/0

L1 21 0/D DP

Surface FAS Expression



Expression



Bcl-2 Expression

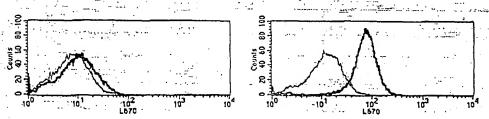


FIGURE 1B

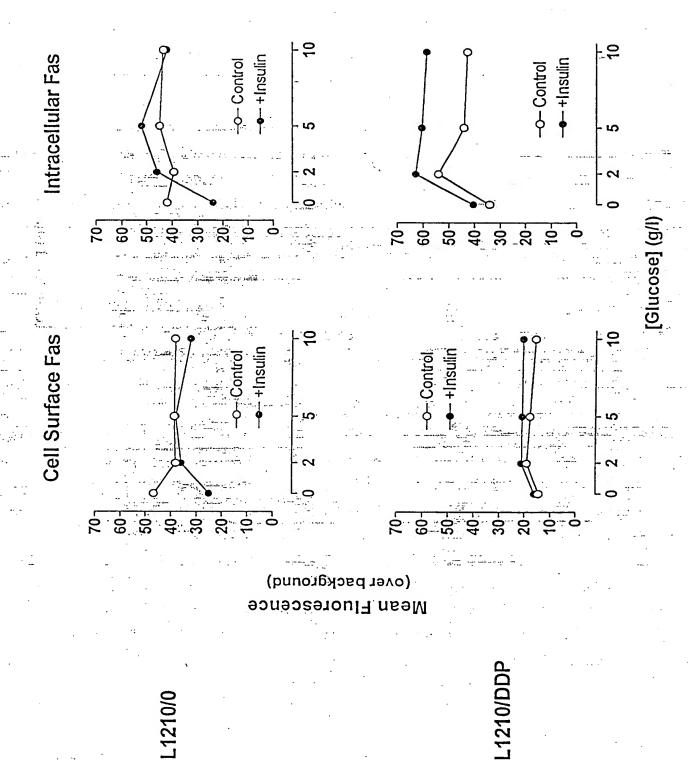
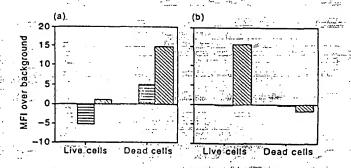
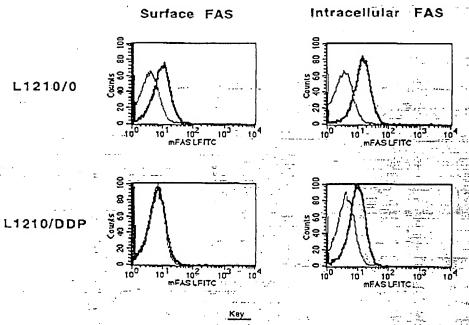


FIGURE 2





FAS Expression Isotype Control

FIGURE 4

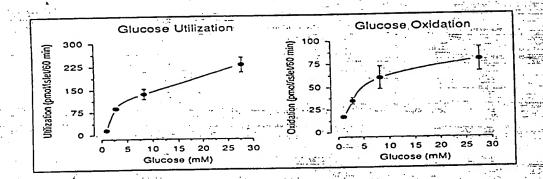


FIGURE 5

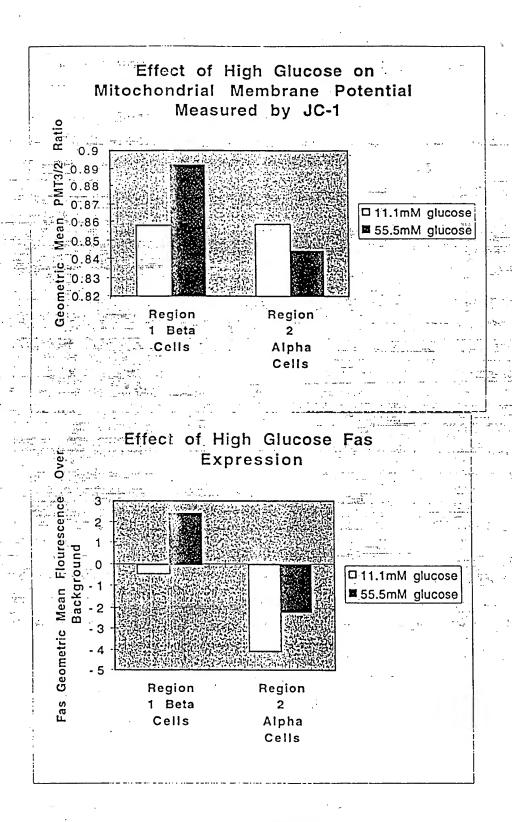


FIGURE 6

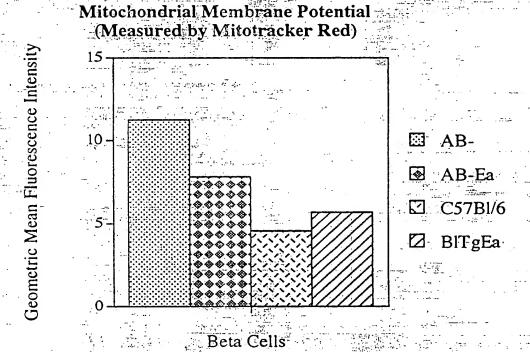


FIGURE 7

Inventor: Martha K. Newall Title: METHODS AND PRODUCTS RELATED TO METABOLIC INTERACTIONS DISEASE

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Date of Deposit: July 9, 2003

MHC class II mediated increases in cAMP are isotype and dimerization/oligomerization state dependent

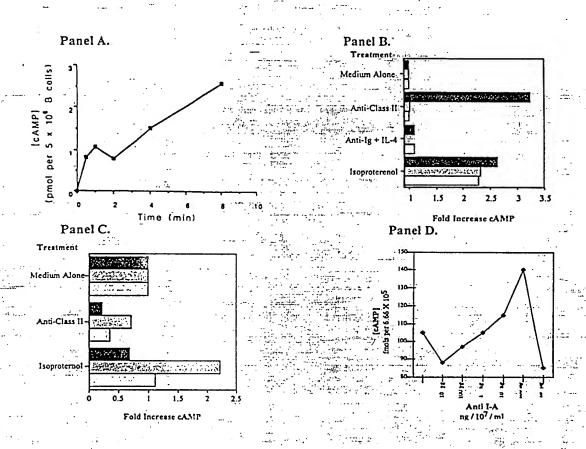
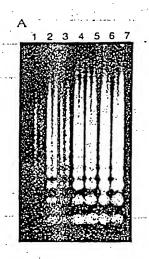
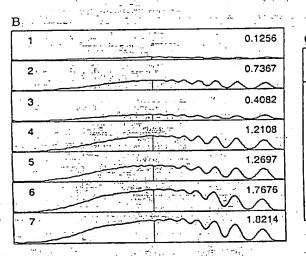


FIGURE 8

MHC class II induces apoptotic cell death





C	:		·
Lane	Treatment	Normalized Area	Apoptotic Index
1	Medium Alone	0.0711	0.0000
2	17/227	0.4168	0.3722
3	14-4-45	0.2309	0.1721
4	10-2.16	0.6850	0.6609
5	H116-32	0.7183	0.6968
6	Isoproterenol	1.0000	1.0000
7	dbcAMP	1.0304	1.0328

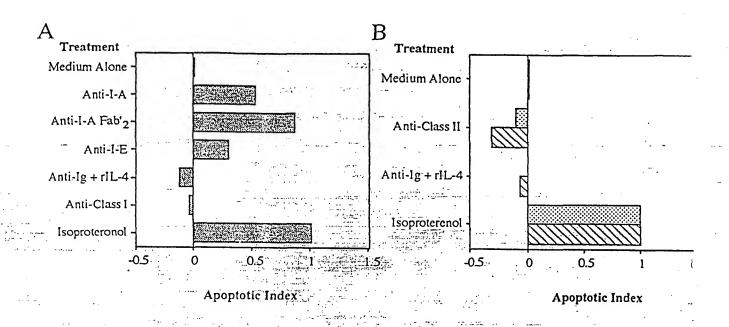


FIGURE 10

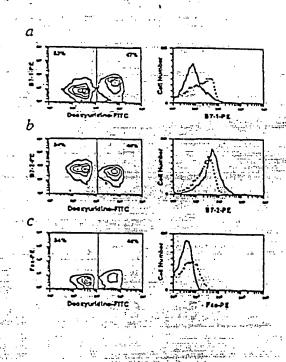


FIGURE 11

FIGURE 12

UCP Expression in L1210/0

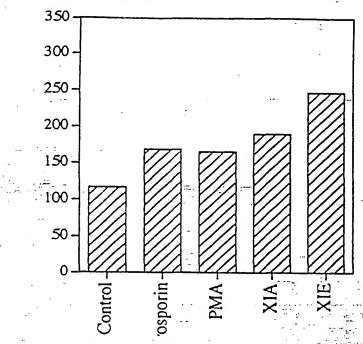


FIGURE 13A

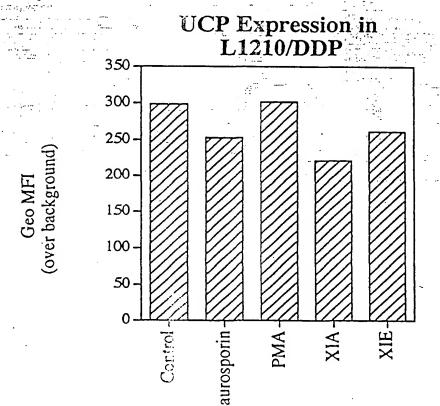


FIGURE 13B

> Isotype UĆP

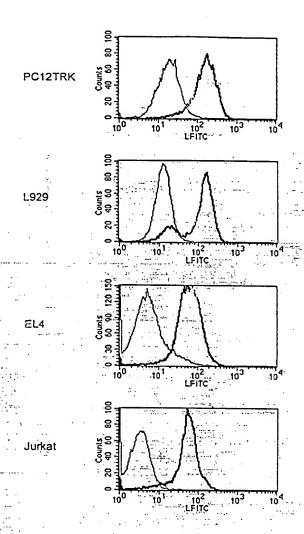


FIGURE 14



2 3 4 5

FIGURE 15

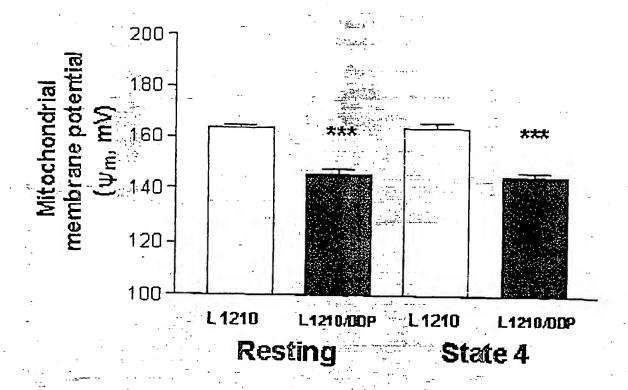


FIGURE 16

Cell Surface Fas (CD05) Expression on Non-permeabilized B16 Melanoma Cells

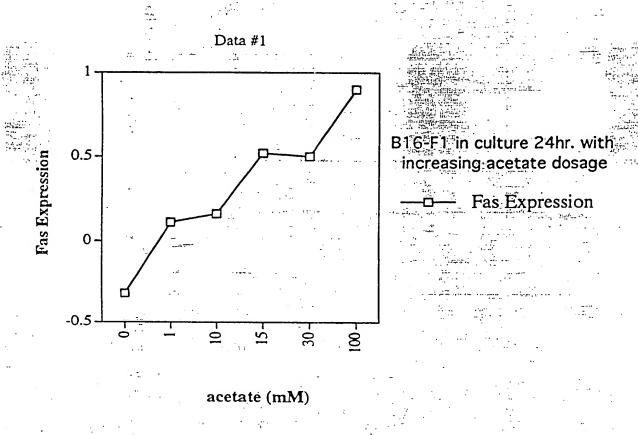
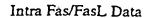


FIGURE 17A

Inventor: Martha K. Newall Title: METHODS AND PRODUCTS RELATED TO METABOLIC INTERACTIONS DISEASE Express Mail Label No.: EV 292547382 US Date of Deposit: July 9, 2003 Fas (CD95) Expression on permeabilized B16 Melanoma Cells



Intra Fas expression

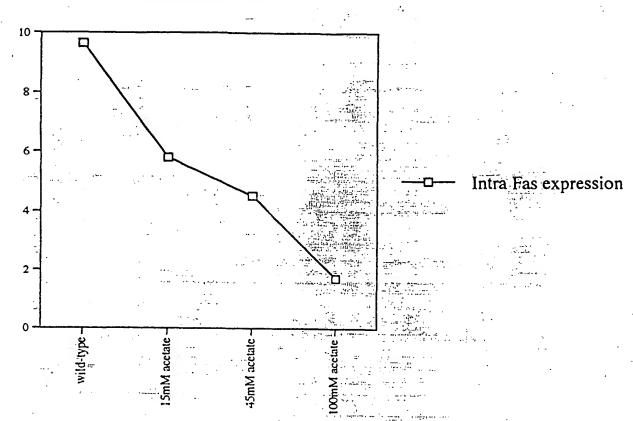
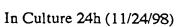
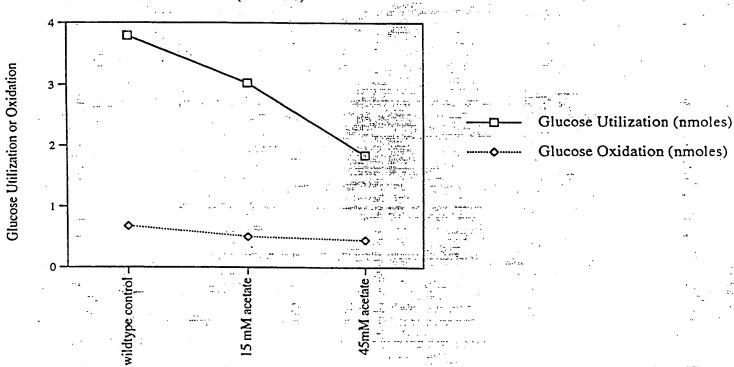


FIGURE 17B





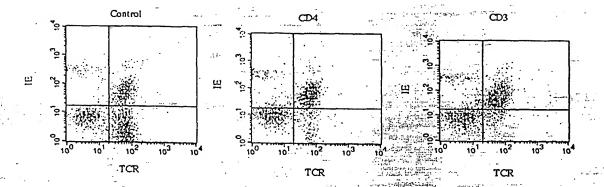
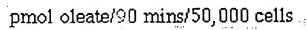


FIGURE 19

CD4 No treatment CD4+CD3 CD28 CD3

FIGURE 20



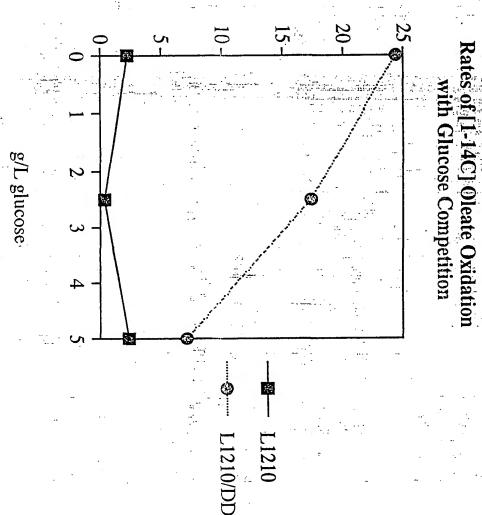
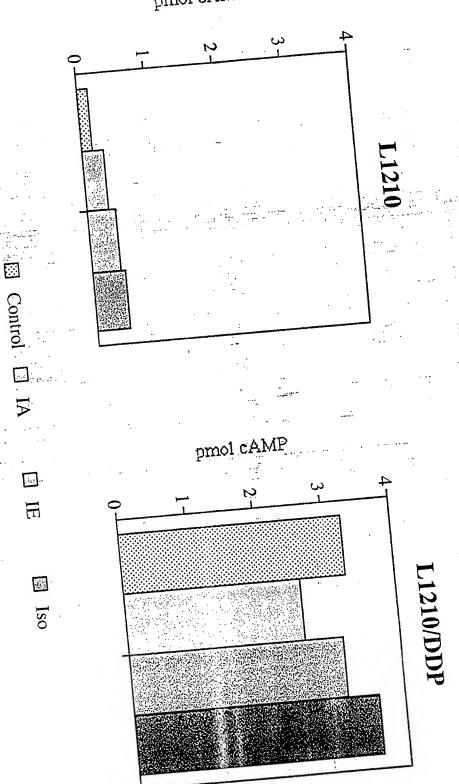


FIGURE 21

FIGURE 22

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INTERACTIONS DISEASE
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pmol cAMP



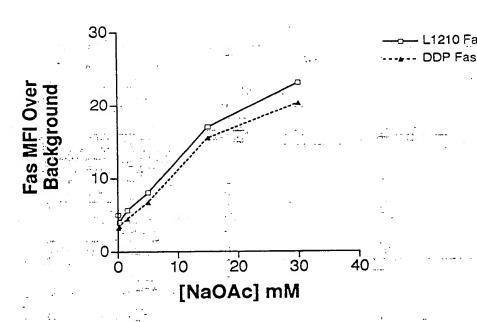
Inventor: Martha K. Newall Title: METHODS AND PRODUCTS RELATED TO METABOLIC INTERACTIONS DISEASE

Express Mail Label No.: EV 292547382 US Date of Deposit: July 9, 2003

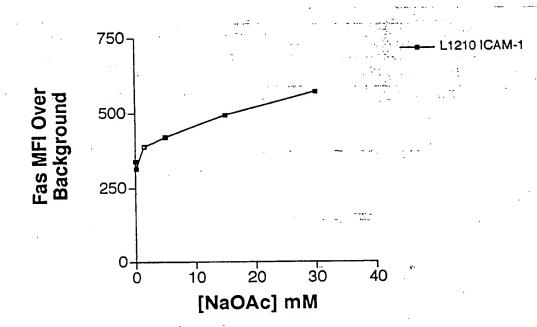
FIGURE 23

L1210 Fas

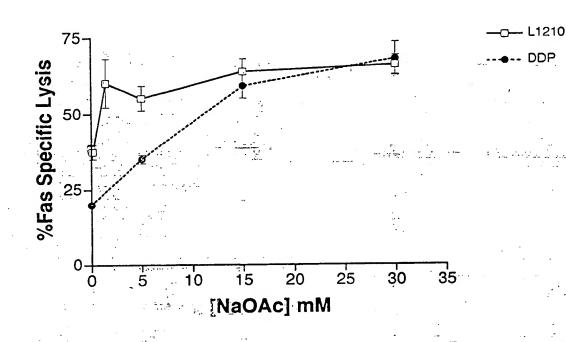
Induction of Fas Expression by Sodium Acetate



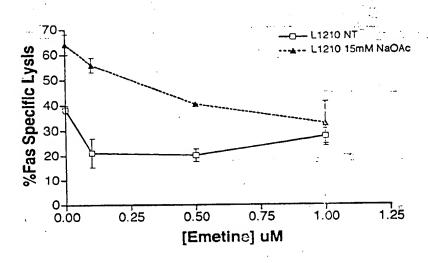
Induction of ICAM-1 Expression by Sodium Acetate



Induction of Fas Functional to Signal Cells to Die by Sodium Acetate



Inhibition of Functional Fas Expression Induced by Sodium Acetate by Emetine



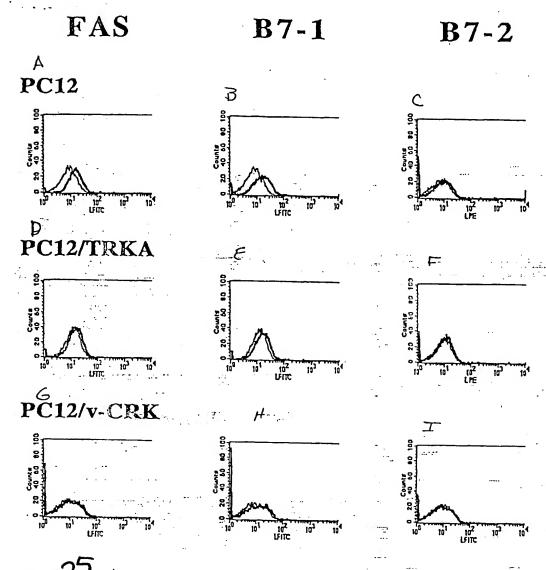


Figure Histograms depicting the constitutive expression or lack thereof of the cell surface molecules Fas, B7.1, and B7.2 on PC12 cells and their variants Trk and v-Crk.